Pierre-Louis **Pery**

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Education

CESI Engineering School　　　　　　　　　　　　　　　　　　　　　　*Lille, France*
Engineering in Computer Science　　　　　　　　　　　　　　　　　　*Sep 2019 – Jun 2024*

Experience

KraudCloud　　　　　　　　　　　　　　　　　　　　　　　　　　*Berlin, Germany*
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　*June 2022 – Present*
- Developped a highly resilient, fine-grained lock to improve the resilience of our certificate signing service
- Created and migrated to an in-house migration cli tool to reduce technical debt our current solution accumulated

Blockrise Capital B. V.　　　　　　　　　　　　　　　　　*Rotterdam, Netherlands*
Software Engineer Intern　　　　　　　　　　　　　　　　　　　*Jan 2022 – Apr 2022*
- Researched and developed a Monitoring Architecture for Google Kubernetes Engine to support the development of our service fleet.
- Managed and audited micro-services through previously built tools.
- Benchmarked and load-tested existing services and architecture to handle great throughput.
- Ensured security and stability of our services by studying carefully our data, and exposing it to all developpers to promote good performance related practices.

Montpellier University Space Center　　　　　　　　　　　　*Montpellier, France*
Software Engineer Intern　　　　　　　　　　　　　　　　　　　*Apr 2021 – July 2021*
- Developed a reliable stock management system suited for the needs of the space center.
- Enhanced security, speed an usability of the system by leveraging a full stack website with Caddyserver, Docker, Go and Svelte.
- Created effective CI/CD pipelines within Gitlab to promote fast feedback loop and promote further use and modification of the code-base.
- Effectively used and developed codegen tools and descriptive OpenAPI schemas to scale in the future, and enable further uses of the API.

Technical Skills

Languages: Go, JS/TS/HTML/CSS, SQL, Rust, C#, PHP, C/C++, Zig
DevOps: Kubernetes, Docker, Testing, CI/CD, Monitoring, Security, Tracing

Open Source Contributions

goapi-gen　　　　　　　　　　　　　　　　　　　　　　　　　　*Go, OpenAPI*
A code generator used to generate boilerplate, routing and types used defined in an OpenAPI specification. Used in production at multiple companies, goapi-gen makes your life simpler by generating high quality code so you don't have write it yourself.
https://github.com/discord-gophers/goapi-gen

waifubot　　　　　　　　　　　　　　*Go, Docker, PostgreSQL, Typescript, Kubernetes*
Complete gacha game to collect and trade manga characters. Front-End and API available for advanced use, to promote trades between players. Available on over 300 discord guilds, with thousands of players.
https://github.com/Karitham/WaifuBot

genial　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Go*
A code-generation helper for Go. Build an AST, genial writes the code. Genial generates idiomatic go code, and is a life saver in situations when you plan to write a lot of similar code.
https://github.com/Karitham/go-genial

corde　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Go*
A high level discord reverse-webhook wrapper, to enable fast micro-service oriented developments of discord bots. Currently running in production and keeping up with amazing loads due to its scaling abilities.
https://github.com/Karitham/corde